

MANDELSTAM-VOLINSKAYA, L.M.
569. Pericarditis in Bacterial Endocarditis (with Reference to the Aetiology of Pericarditis). (О перикардитах при септическом эндокардите (с замечаниями об этиологии перикардита))

L. M. MANDELSTAM-VOLINSKAYA. Терпевестический Архив [Terap. Arkh.] 21, No. 3, 34-43, May-June, 1949. 14 refs. HOSP. THERAPY CLIN. Leningrad Polist. Med. Inst.

The necropsy material of the Kuibishev Hospital was analysed in an attempt to answer the following questions. How often does pericarditis complicate bacterial endocarditis? Which type is involved? At what stage of the disease does pericarditis arise? What is its pathogenesis? Does pericarditis prevent the diagnosis of the underlying disease, and does it influence the length, course, and outcome of the underlying disease?

The necropsy material consisted of 9,920 cases during the years 1934 to 1947, amongst which there were 341 (3.4%) cases of pericarditis, 223 (4.2%) in males and 118 (2.6%) in females. Of these, 256 were cases of acute pericarditis and 85 of chronic pericarditis. Most patients (143) were between 40 and 60 years of age. The pericarditis was tuberculous in 18.5%, uraemic in 12.6%, rheumatic in 12.3%, pneumonic in 11.8%, septicæmic in 8.5%, due to myocardial infarct in 6.7%, due to a neoplasm in 5.5%, due to bacterial endocarditis in 5% (17 cases) and due to other diseases in 19.4%.

There were 90 cases of fibrinous, 77 of sero-fibrinous, 22 of haemorrhagic, 48 of purulent, and 93 of adhesive pericarditis, and 4 miscellaneous cases.

There were 9 women and 8 men amongst the 17 patients with pericarditis complicating bacterial endocarditis; 13 were cases of acute and 4 of chronic pericarditis. Four cases were of fibrinous, 4 of sero-fibrinous, 3 of purulent, 2 of haemorrhagic, and 4 of adhesive pericarditis. Haemolytic streptococci were recovered from the blood of 3 patients and *Streptococcus viridans* was found in one case. The pericarditis was due to acute bacterial endocarditis in 6 cases, and to chronic bacterial endocarditis in 11 cases. The mode of infection was thought to be either an embolism of the coronary arteries with infarction of the myocardium, or an ulcerative process starting from the endocardium and penetrating the myocardium, or lymphogenous and haematogenous spread of infection. The correct diagnosis was made in 46 cases out of the 344 cases of pericarditis, but in only 3 of the 17 cases in which it complicated bacterial endocarditis. Four case histories are given and the difficulties of arriving at a diagnosis of pericarditis in bacterial endocarditis are pointed out. The value of intrapericardial penicillin therapy is mentioned.

N. Chetelish

Abstracts of World Medicine Vol 7 1950

MANDEL'SHTEYN, M.L.

[Dynamic characteristics of rectifying stills] Dinamicheskie kharakteristiki bragorektifikatsionnogo apparata. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 16 p. (MIRA 18:5)

ROTKOP, I.G.; LAFETINOG, Ye.M.; MANDEL'SHTEYN, M.L.

Static characteristics of the rectifying tower. Form. 1 spirt.
prom. 31 no.6:13-18 '65. (MIRA 18:9.

1. Fishchepromavtomatika.

RAM. L'ESVAYG, V.B.

Irreducible representations of the S_3 group. (Ther. exp. 1 to 1.
fiz. 47 no.5: 1978) (1978)

1. Institut teoreticheskoy i eksperimental'noy fiziki AN SSSR.

MANDEL'TSVAYG, Yu.B.; IVANOV, B.N.; VLADIMIROV, V.V.

Beta-particle counters having a cadmium sulfide crystal basis
Nov. med. tekhn. no.2:68-74 '62.

(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh
instrumentov i oborudovaniya.

YELASHOV, Yu.G.; KOZLOVA, A.V.; LYALOV, V.M.; SEMENOV, V.R.;
SINITSIN, R.V.; POPOV, V.K.

8th All-Union Congress of Roentgenologists and Radiologists.
Med. rad. 10 no.2:80-94 P 165. (MIRA 18:6)

MANDEL'TSVEYG, V.B.; SOLOV'YEV, V.V.

Effect of the mass difference of π -mesons on the ratios for the
existing probabilities of $K\pi^3$ -decay. Zhur. eksp. i teor. fiz.
41 no.5:1606-1608 N '61. (MIRA 14:12)

(Mesons—Decay)

17976
S/C56/62/042/005/021/050
B102/B104

AUTHOR: Mandel'tsveyg, V. B.

TITLE: The scattering of neutrinos on nucleons in the model of the anomalous muon interaction

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 5, 1962, 1278-1282

TEXT: The author calculates the neutrino-nucleon cross-section for the exchange of a neutral vectorial χ -meson according to the model proposed by I. Yu. Kobzarev and L. B. Okun' (ZhETF, 41, 1205, 1961) for the anomalous muon interaction. According to Sakata there are two possibilities in the muon interaction with a current of baryons: (1) the χ -meson interacts with the nucleon current $\sqrt{4\pi} f(\bar{p}\gamma_\alpha p + \bar{n}\gamma_\alpha n)$; (2) the χ -meson interacts with the Λ -current $\sqrt{4\pi} \bar{\Lambda}\gamma_\alpha \Lambda$. In both cases the matrix element can be

$$M = \frac{4\pi f^2}{m_\chi^2 - q^2} (\bar{u}_N \gamma_\alpha u_\nu) (\bar{u}_N \Gamma_\alpha^{(x)}(q^2) u_N)$$

Card 1/4

S/056/62/042/005/021/050
B102/B104

The scattering of neutrinos ...

If $q^2 \ll m^2$, this can be written as a four-fermion interaction

$$M = C (\bar{u}_\nu \gamma_\alpha u_\nu) (\bar{u}_N \Gamma_\alpha^{(X)} (q^2) u_N) = \\ = C (\bar{u}_\nu \gamma_\alpha u_\nu) \{ \bar{u}_N [\chi_e F_e(q^2) \gamma_\alpha + \chi_m F_m(q^2) \sigma_{\alpha\beta} q^\beta] u_N \}.$$

Thereupon the following designations are introduced:

$C = 4\pi f^2/m^2 \approx 1/10m^2$; χ_e, χ_m are the charge and anomalous f-moment of the nucleon; $F_e(q^2), F_m(q^2)$ are the charge and magnetic form factors of the nucleon. It can then be stated that

$$r = -\frac{t}{t_0}, \quad Z_e = \frac{t_0}{s} = \left(\frac{s-m^2}{s} \right)^2, \quad Z_m = \frac{s-2m^2}{s}, \quad a = 0,214 \phi^2, \quad X = at_0,$$

and for $\sigma = \sigma_e + \sigma_{em} + \sigma_m$ we have

Card 2/4

S/056/62/042/005/021/050
B102/B104

The scattering of neutrinos ...

$$\sigma_e = \frac{G^2 \chi_e^2}{4\pi a} X \int_0^1 F_e^2(r) \left[1 + r + \frac{r^2}{2} Z_e \right] dr,$$

$$\sigma_{em} = \frac{G^2 (2m\chi_e\chi_m)}{4\pi a} X Z_e \int_0^1 F_e(r) F_m(r) r^2 dr,$$

$$\sigma_m = \frac{G^2 \chi_m^2}{4\pi a^4} X^2 \int_0^1 F_m^2(r) [1 - r Z_m] r dr.$$

In case (1), formula

$$F_{e1}(q^2) = F_{eS}(q^2) = 0.44 \left(1 + \frac{1.27}{1 - 0.214 q^2} \right), \quad \chi_{e1} = 1,$$

$$F_{m1}(q^2) = F_{mS}(q^2) = 4.0 - \frac{3.0}{1 - 0.214 q^2},$$

$$\chi_{m1} = \frac{1.01}{2m} - \frac{1.79}{2m} = \frac{0.12}{2m}.$$

Card 3/4

S/C56/62/042/005/021/050
3102/3104

The scattering of neutrinos ...

applies, and in case (2)

$$F_{e2}(q^2) = F_{en}(q^2) = 0,32 + \frac{0,28}{1 - 0,214 q^2} - \frac{0,60}{1 - 0,10 q^2},$$

$$\chi_{e2} = \alpha \chi_{e1},$$

$$F_{m2}(q^2) = F_{mS}(q^2), \quad \chi_{m2} = \beta \chi_{m1}$$

The relation of the cross-section components to the energy of the bombarding neutrino is investigated, where the mean transferred momentum and the mean scattering angle are numerically calculated for an energy of 1 Bev. It is found that in the most favorable cases the cross-sections can attain $\sim 10^{-31}$ cm², so the theory ought to be verifiable experimentally. There are 5 figures.

SUBMITTED: December 9, 1961

Card 4/4

L 5043-66 EWT(d)/ENT(m)/I/EWA(m)-2 IJP(c)

ACCESSION NR: AT5022314

UR/3138/64/000/256/0001/0080

AUTHOR: Shapiro, I. S.; Mandel'tsveyg, V. B.

TITLE: Lie groups and the symmetry of elementary particles

SOURCE: USSR. Gosudarstvennyy komitet po ispol'zovaniyu atomnoy energii. Institut teoreticheskoy i eksperimental'noy fiziki. Doklady, no. 256, 1964. Gruppy Li i simmetriya elementarnykh chastits, 1-80

TOPIC TAGS: particle interaction, strong nuclear interaction

ABSTRACT: After a brief review of various parameters characterizing the strong interaction of elementary particles, the authors present an extensive mathematical analysis and formulate the possible symmetries on the basis of simple Lie groups. The first part of the article by I. S. Shapiro deals with the structural analysis of Lie groups while the second part by V. B. Mandel'tsveyg is devoted to the character of irreducible representations of a selected SU_3 -group. In the first three chapters of Part I the basic designations and equations for a continuous matrix group are presented, the similarities, isomorphisms and homomorphisms are examined and the normal

Card 1/4

L 5043-66

ACCESSION NR: AT5022314

divisor or the invariant subgroup is defined. The elementary properties of Lie algebras are briefly summarized and three Lie theorems are derived in Chap. 4 and 5. In Chap. 6 and 7 the normal divisor and the structure constants for subgroups are discussed. Then an invariant semi-simple criterion is derived including the definition of the necessary and sufficient criterion conditions needed for a group semi-simplicity. The problem of commutation correlations is solved and a characteristic polynomial for the group with respect to X_0 -matrices was presented in Chap. 8. The equation roots for a characteristic polynomial of semi-simple groups are analyzed in Chap. 9 while Chap. 10 is devoted to the derivation of equations for the semi-simple groups of the second class. It is stated that the simplest case of semi-simple group is the simple group. Namely, these simple groups are mainly used now for theoretical discussions of the strong interaction symmetries. The classification of simple groups is explained in Chap. II and the results are illustrated in

Card 2/4

L 5043-66

ACCESSION NR: AT5022314

two tables. Chap. 12 (the last of Part I) deals with composing the root diagrams for the simple groups of the second class such as the SU_3 , C_2 , and G_2 groups. The first chapter of Part II determines the position of the SU_3 group among the simple groups of the second class. From the theoretical point of view this group seems to be the most attractive for a further discussion. In addition to strong interacting particles, this group also covers the weak and electromagnetic interaction symmetries. It survived experimental tests although it is yet too early to make definite conclusions in favor of the SU_3 -group. In Chap. 2 the selection of tensors is discussed and the solutions of two theorems for various tensors are presented. Two versions are considered of which the first version considers only contravariant tensors while the second one deals with the tensors of a symmetrical type. These two versions are separately formulated in Chap. 3 and 4 including the irreducible representations of the SU_3 -group, the isotopic concept of supermultiplets and the solution of three illustrative examples. The fifth chapter of Part II is devoted

Card 3/4

L 5043-66

ACCESSION NR: AT5022314

12
to the deduction of the "mass formula" based on the article by
S. Okubo (Prog. Theor. Phys. 28, 24 (1962)) and assisted by V. B.
Berezetskii, I. Yu. Kobzarev, L. B. Okun' and V. V. Sudakov. A
gratitude is expressed by the author for their participation. Orig.
art. has: 2 tables and 5 diagrams.

ASSOCIATION: none

SUBMITTED: 29May64

ENCL: 00

SUB CODE: NP, MA

NO REF SOV: 004

OTHER: 011

BC
Card 4/4

L 16508-65 EWT(d) IJP(c) ESD(dg)

ACCESSION NR: AP5000342

S/0056/64/047/005/1836/1846

AUTHOR: Mandel'tsveyg, V. B.

TITLE: Irreducible representations of the SU_3 group

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 5, 1964, 1836-1846

TOPIC TAGS: group theory, irreducible representation, isotopic invariance

ABSTRACT: In view of the fact that the SU_3 group representations are in best agreement with the experimental facts, and that this group corresponds to the already known conserved quantum numbers, the author derives formulas which make it possible to determine the components that enter the direct product of two irreducible representations of the SU_3 group, and what the multiplicity of these components is. Two possible approaches to the theory of the repre-

Card 1/2

L 16508-65

ACCESSION NR: AP5000342

3

sentations of the SU_3 group are discussed. One consists of determining the isotopic content of the irreducible representation of the SU_3 group, and the other consists of using young tableaux to derive a formula for the calculation of the isotopic and hypercharge content of the irreducible representation. "The author thanks L. B. Okun and I. S. Shapiro for interest in the work and for useful discussions." Orig. art. has: 1 figure and 20 formulas.

ASSOCIATION: Institut teoreticheskoy i eksperimental'noy fiziki Akademii nauk SSSR (Institute of Theoretical and Experimental Physics, Academy of Sciences SSSR)

SUBMITTED: 09May64

ENCL: 00

SUB CODE: GP

NR REF SOV: 000

OTHER: 009

Card 2/2

MANDEL'TSVEYG, V.B. (Moskva); PERELOGOV, A.M. (Moskva)

Recent data on resonance. Priroda 53 no. 11:64-66 '64.

(MIRA 18:1)

MANDEL'TSVEYG, V.B.; MENSKIY, M.B.

Unitary multiplet mixtures. IAd. fiz. 1 no.3:551-556 Mr '65.
(MIRA 18:5)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstven-
nogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

MANDEL'TSVEYC, V.B.

Structure of G_2 -multiplets. Izd. fiz. 1 no.6:1.05-1112 3e '65.
(MIRA 18:6)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.

MALKIN, I.A.; MANDEL'TSVEYG, V.B.

Structure of the $S p_4$ and SO_5 multiplets. Izd. fiz. 2 no.1:154-162 J1
'65. (MIRA 18:8)

1. Institut teoreticheskoy i eksperimental'noy fiziki Gosudarstvennogo
komiteta po ispol'zovaniyu atomnoy energii SSSR.

MANDEL'TSVEYG, V.B.

Decomposition of the representation of a reducible Lie algebra
into representations of its reducible subalgebras of maximum
rank. Dokl. AN SSSR 162 no.6:1245-1247 Je '65. (MIRA 18:7)

1. Submitted Decmeber 25, 1964.

TABAROVSKIY, I.K.; MANDEL'TSVAYG, Yu.B.; GOFMAN, I.M.; BENYUSH, V.A.;
POPOV, V.I.; AKATOV, Yu.A.

Diagnostic scintillation device of the DSU-60 type. Med.rad.
no.9:64-67 '61. (MIRA 15:1)

1. Iz otdela radiologicheskikh i rentgenovskikh priborov i
apparatorov Vsesoyuznogo nauchno-issledovatel'skogo instituta
meditsinskogo instrumentariya i oborudovaniya Ministerstva
zdravookhraneniya SSSR.

(RADIOLOGY, MEDICAL—EQUIPMENT AND SUPPLIES)

SKDOV, V.V.; PETROVA, M.S.; NESTERENKO, V.S.; MANDEL'TSVAYG, Yu.B.

Experimental study of kidney function using cardiotrast
(I^{131}). Med. rad. 8 no.4&42-47 Ap'63 (MIRA 17&2)

MANUEL TSVAYG Yu.B.

Third Oncological Conference and the Fourth Conference of
Roentgenologists and Radiologists of the Moldavian SSR.
Med. rad. 8 no. 5-99 94 My '63.

MANDEL'TSVAYG, Yu.B.

3rd All-Union Conference on Medical Electronics. Med. rad. 10
no.5:91-92 My '65. (MIRA 18:6)

YEMEL'YANOV, V.S., otv.red.; BARDIN, I.P., red.; VINOGRADOV, A.P., red.;
 GOL'DANSKIY, V.I., red.; GULYAKIN, I.V., red.; DOLIN, P.I., red.;
 YEFREMOV, D.V., red.; KRASIN, A.K., red.; LEBEDINSKIY, A.V., red.;
 MINTS, A.L., red.; MURIN, A.N., red.; NIZE, V.E., red.; NOVIKOV,
 I.I., red.; SEMENOV, V.F., red.; SOBOLEV, I.N., red.; BAKHAROVSKIY,
 G.Ya.; nauchnyy red.; BERKOVICH, D.M., nauchnyy red.; DANOVSKIY,
 N.F., nauchnyy red.; DELONE, N.N., nauchnyy red.; KON, M.A.,
 nauchnyy red.; KOPYLOV, V.N., nauchnyy red.; MANDEL'TSVAYG, ~~Ya.B.~~
 MILOVIDOV, B.M., nauchnyy red.; MOSTOVENKO, N.P., nauchnyy red.;
 MURINOV, P.A., nauchnyy red.; POLYAKOV, I.A., nauchnyy red.;
 PREOBRAZHENSKAYA, Z.P., nauchnyy red.; RABINOVICH, A.M., nauchnyy
 red.; SIMKIN, S.M., nauchnyy red.; SKVORTSOV, I.M., nauchnyy red.;
 SYSOYEV, P.V., nauchnyy red.; SHORIN, N.A., nauchnyy red.;
 SHREYBERG, G.L., nauchnyy red.; SHTEYNMAN, R.Ya., nauchnyy red.;
 KOSTI, S.D., tekhn.red.

[Concise atomic energy encyclopedia] Kratkaya entsiklopediya
 "Atomnaya energiya." [___Tables of isotopes (according to published
 data available at the beginning of 1958)] ___Tablitsa izotopov (po
 dannym, opublikovannym k nachalu 1958. 12 p. Gos. nauch. izd-vo
 "Bol'shaya sovetskaya entsiklopediya," 1958. 610 p. (MIRA 12:1)

1. Sotrudniki Bol'shoy Sovetskoy Entsiklopedii (for Bakharovskiy,
 Berkovich, Danovskiy, Delone, Kon, Kopylov, Mandel'tsvayg, Milo-
 vidov, Mostovenko, Murinov, Polyakov, Preobrazhenskaya, Rabinovich,
 Simkin, Skvortsov, Sysoyev, Shorin, Shreyberg, Shteynman).
 (Atomic energy)

ACCESSION NR: AR4032165

S/0058/64/000/002/A046/A046

SOURCE: Ref. zh. Fiz., Abs. 2A388

AUTHORS: Gurvich, A. M.; Krongauz, A. N.; Lyapidevskiy, V. K.;
Mandel'tsvayg, Yu. B.; Nikiforova, A. P.; Popov, V. I.; Titov, A. A.

TITLE: Comparative dosimetric characteristics of single crystals
of cadmium sulfide

CITED SOURCE: Tr. Vses. n.-i. in-ta med. instrumentov i oborud.,
no. 5, 1962, 40-51

TOPIC TAGS: cadmium sulfide, single crystal cadmium sulfide,
dosimetric characteristics, therapeutic x ray monitoring, radiation
dose power, roentgen ampere characteristic, variation with hardness

TRANSLATION: The dosimetric characteristic of CdS single crystals,
as applied to problems of x-ray therapy, were investigated. The

Card 1/3

ACCESSION NR: AR4032165

crystals used were grown either (a) by sublimation of luminor CdS by the Grillaud method (Group I) or (b) by sublimation of luminor CdS in a nitrogen jet (Group II). Crystals of the first group were activated with indium or gallium, and those of the second group with Cl or with AgCl, with a small amount of Zn introduced. The investigations were carried out with x-ray equipment RUM-7 ("soft" radiation, tube voltage 20--60 kV maximum) and RUM-3 ("hard" radiation, 100--200 kV maximum). The radiation dose power in air was measured with an ionization dosimeter. The sensitivity of crystals of Group I was 7--264 $\mu\text{A/r/min}$, while those of group II occupied an intermediate position. A strictly linear roentgen-ampere characteristic was possessed by the least sensitive crystals. The "variation with hardness" was measured for the investigated crystals and the corresponding theoretical curve calculated. The results of the measurements and of the calculations are in satisfactory agreement in the region of strong absorption. In the region of weak absorption, the experimental "variation with hardness" is lower than the calcu-

Card 2/3

ACCESSION NR: AR4032165

lated value, owing to the inhomogeneity of the employed radiation. It is concluded that in the limited energy range used in x-ray therapy (at a generation voltage of 150--200 kV maximum), the investigated single crystals, particularly those of the first group, can be used successfully as detectors in clinical x-ray dosimeters. Yu. Mandel'tsveyg.

DATE ACQ: 31Mar64

SUB CODE: PH, SD

ENCL: 00

Card 3/3

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSING AND PROPERTIES INDEX																			
Utilization of buffalo hides for the production of sole leather. G. I. Khazaradze, R. P. Mandenov, and D. G. Fal'kovich. <i>Lezkaia Prom.</i> 1945, No. 12, 11. -Buffalo hides require considerably longer liming (90-100 hrs. in the drum at 20-25°; CaO 6.5-8.0 and NaS 1.2 g./l.). Tannage with plant materials is possible in liquors of comparatively low concns. (plant tans 80%, syntans 20%, hardness coeff. 2.5-2.7); the duration of drum tannage must be increased to 170-200 hrs., the pH value of the liquors at the end of tanning must be 3.5. No washing of the semifinished product after tanning is necessary. Good results are obtained by filling before greasing with the hot ext. W. R. Henn																			
ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
3RD ORDER										4TH ORDER									

Unhairing hides by means of CaS. M. Sh. Ovrutskii
and R. P. Mandenov. *Lepkaya Prom.* 1941, No. 1, 51.
Khim. Refrat. Zhur. 4, No. 7-8, 123(1941).—A mixt
of 8 kg. of ground and sifted S, 10-20 kg. of undraked lime,
and 10-12 l. of water is boiled for 4-6 hrs. with live steam.
The hides are drummed with this mixt. for 72 hrs.
W. R. Henn

117 AND 11800000
 PROCESSES AND PROPERTIES INDEX
 29

"Ascangel" a leather filler R. P. Mandennov, G. I. Khazaradze, and D. G. Pal'kovich. *Legkaya Prom* 1946, No. 11-12, 17-19. "Ascangel" (I), a variety of bentonite, is characterized by a large swelling capacity thixotropy, plasticity, and high dispersion which forms a colloidal system and stable aq. suspensions. Alk. cation-predominate in the diffusion layer of I. It is a light-green clayey substance contg. 20-30% of moisture, of which approx. 18% is lost at 100°, an addnl. 2% from 100 to 400°, and the remainder at 500-700°. The pH value of I suspensions is 7.0-7.3. It is a tasteless, odorless, chemically inert, almost neutral substance stable to H_2SO_4 (25%). Microscopically it is composed of montmorillonite, plagioclase, etc. It contains SiO_2 59.76, TiO_2 0.37, Al_2O_3 21.61, Fe_2O_3 3.72, FeO 0.34, MnO trace, MgO 3.40, CaO 2.87, Na_2O 0.28, K_2O 1.22, P_2O_5 0.24, SO_3 0.71, and H_2O 15.84%. Mineralogically it consists of montmorillonite 66.72, feldspar 9.34, serpentine 8.0, silica 8.22, rutile 0.37, magnesite 1.0, limonite 3.55, gypsum 1.00, and calcite 1.97%. Addn. of I to semi-finished leather reduced the drying time from 28-30 hrs. to 17-20 hrs. This is explained by the greater evapn. surface created by presence of I. I can be used instead of glucose for loading leather. To prep. leather filler from I, soak the finely ground I (2.0-2.5% of the dry substance, based on the wt. of leather) in water for 24 hrs., add a calcd. quantity of liquid sulfite-cellulose ext. (1 part calcd. quantity of liquid sulfite-cellulose ext. until a uniform mass is obtained whose ratio I:sulfite-cellulose ext. (dry residue) is 3:1-4:1. The quantity of the filler mixt. added to the leather is 10-12%, based on finished leather or 2.0-2.5% of dry I plus 0.5-0.8% of sulfite-
 W. R. Henn

ASS-514 METALLURGICAL LITERATURE CLASSIFICATION

Elimination of contraction in concentrated tanning.
R. P. Mandeniy and G. I. Khazaradze (Tiflis Leather
Works No. 1, Tiflis). *Lekhaya Press* 10, No. 10, 24
(1930) - Contraction can be eliminated by maintaining the

pH at 4.5-4.7. For pickling, weak solns. of H_2SO_4 (5-8
g/l) are used, liquid coeff. is 1.15-1.20, pickling lasts
2.5-3.0 hrs. depending on wt.; pH is 4.0-4.5. Chrome
ext. (basicity 44-48%) is then added to spent bath in amt.
of 0.6% Cr_2O_3 by wt. (0.7% for heavy hides; chroming lasts
10-12 hrs. and pH is 4.5 on flesh side and 4.7-5.0 in inner
layers. Details of pickling and chroming procedures are
given. B. Z. Kunch

MANDENOVA, A. F.

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Kapeller, O. A.	"Flora of Georgia"	Institute of Botany
Kemulariya-Natadze, L. M.	(Vols I- VIII)	Academy of Sciences
Ketskhoveli, M. M.		Georgian SSR
Kutateladze, Sh. I.		
Makashvili, A. K.		
Mandanova, A. F.		
Sakhakia, M. F.		
Sosnovskiy, D. I.		
Ter-Khachaturova, S. Ya.		
Kharadze, A. L.		
Shkhiyan, A. S.		

80: W-30604, 7 July 1954

MANDENOVA, I. P.

"Some New Critical Forms of Caucasian Flora",

SO: Botan. Zhur, 34, No. 3, 1949.

MANDENOVA, I. P.

Caucasian species of the genus *Heracleum*. Tbilisi, Akad. nauk Gruzinskoi SSh, 1950.
103 p. (Monografiia. Ser. A. Sistematika i geografiia rastenii)

LA

1. Botany - Caucasus.

MANDENOVA, I. P.

Botany

Gerera: Sympholoma, Heracleum, Stenotaenia. Flora SSSR 17, 1951.

9. Monthly List of Russian Accessions, Library of Congress, _____ June _____ 1953, Uncl.

MANDENOVA, I.P.; SHENGELIYA, Ye.M.

New Asia Minor genus of the family Labiatae. Bot.mat.Gerb. 15:
332-337 '53. (MIRA 7:2)
(Asia Minor--Labiatae) (Labiatae--Asia Minor)

MANDENOV, I.

~~Some madders among Caucasian flora. Zam.po sist.i geog.rast.~~
no.17:58-67 '53. (MLBA 8:9)

(Caucasus--Madder)

MANDENOVA, I.P.

Two new Caucasian camomiles. Bot.mat.Gerb. 16:375-378 '54.
(Caucasus--Camomile) (MLRA 8:9)

14-57-7-15038
Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 137 (USSR)

AUTHOR: Mandenova, I. P.

TITLE: Two New Caucasian Pimpinellae (Dve novyye kavkazskiyekamnelomki)

PERIODICAL: Zametki po sistematike i geogr. rasteniy, AN GruzSSR, 1956, Nr 19, pp 10-13, 9

ABSTRACT: Two new species, Saxifraga bosnowskyi and S. ruprechtina, belonging to the Kabschia group, have been distinguished. This study classifies them, assigns them Latin names, and indicates their habitat.

Card 1/1 No name

MANDENOVA, I.P.

New species of the genus Astragalus L. Zam. po sist. i geog.
rast. no.20:30-31 '58. (MIRA 12:9)
(Milk vetches)

MANDENOVA, I.P.; SOFIYEVA, R.M.

A new species of the genus *Chamaemelum* Vis. from the Caucasus.
Dokl. AN Azerb. SSR 15 no. 3: 249-250 '59. (MIRA 12:5)

1. Institut botaniki AN AzerSSR.
(Caucasus--*Chamaemelum*)

MANDENOV, I.P.

A new species of the genus *Pyrethrum* from the Caucasus. Bot.
mat.Garb. 19:358-359 '59. (MIRA 12:8)
(Soyukh, Mount--Pyrethrum)

MANDENOVA, I.P.

Taxonomic materials on the tribe Pastinaceae K.-Pol. emend.
Manden. (Umbelliferae - Apioideae). Trudy Tbil.bot.inst.
20:3-57 '59. (MIRA 13:8)
(Amniaceae)

MANDENOVA, I.P.

A note on the genus *Chamaemelum* Vis. Zam. po sist. i geog. rast.
no.21:61-65 '59. (MIRA 13:8)
(Caucasus—*Chamaemelum*)

MANDENOVA, I. P., Doc Biol Sci — (diss) "The Systematics of the Mushroom Pastinaceae K. — Pol, emend. Manden, (Umbelliferae — Apoideae)." Tbilisi, 1960, 17 pp, Academy of Sciences Georgian SSR Press (Academy of Sciences USSR; Botanical Institute im V. L. Komarov) 150 copies, no price given, list of the author's works pp 17 (11 entries) (KL, 21-60, 120)

ASKEROVA, R.K.; AKHUNDOV, G.F.; ISAYEV, Ya.M.; KARYAGIN, I.I.; PRILIPKO, L.I.; SOFIYEVA, R.M. Prinimali uchastiye: KUTATELADZE, A.; MANDENOVA, I.P.; LINCHEVSKIY, I.A.; POBEDIMOVA, Ye.G.; POYARKOVA, AI.; FEDOROV, An.A.; KHARADZE, A.L.; YUKSIP, A.Ya.; VARUNTSYAN, I., red. izd-va; PO-GOSOV, V., tekhn. red.

[Flora of Azerbaijan] Flora Azerbaidzhana. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR. Vol.8. Rubiaceae - Compositae. 1961. 688 p.
(MIRA 14:11)

(Azerbaijan--Dicotyledons)

MANDENOV, I.I.

Notes on certain Caucasian species of Pyrethrum Gaertn.
Sam po sist. i geog. rast. no.22:57-62 '61. (IPR 14:7)
(Caucasus--Pyrethrum)

MANDENOVA, I.P.; TAMAMSHYAN, S.G.; TAKHTADZHYAN, A.L., otv.red.; SHTIEN,
R.A., red.izd-va; KAPLANYAN, M.A., tekhn.red.

[Flora of Armenia] Flora Armenii. Pod red. A.L.Takhtadzhiana.
Erevan, Izd-vo Akad.nauk Armianskoi SSR. Vol.4. Mimosaceae-
Juglandaceae. 1962. 433 p. (MIRA 15:5)
(Armenia—Dicotyledons)

MANDENOVA, I. P.

"Sur la position systematique et les limites de la tribu Pastinaceae
(Umbelliferae)."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

AS GSSR, Tbilisi.

MANDES, Z.

MEDUSKI, J.; MANDES, Z.; ZABLOCKA, B.; KOZARZEWSKA-SAPER, B.

Hyperglycemic properties of Polish insulin. Acta physiol. polon.
5 no.4:639-640 1954.

1. Z Oddziału Przemiany Pośredniej P.Z.H. i z Zakładu Farmakologii
Akademii Medycznej w Warszawie.
(INSULIN,)

MANDES, Z.; SZRENIAWSKI, Z.; ZABLOCKA, B.

Effect of somatotropin on growth and glycosuria in rats. Acta
physiol. polon 6 no.1:107-114 1955.

1. Z Zakladu Farmakologii Doswiadczalnej A.M. w Warszawie. Kie-
rownik: prof. dr P. Kubikowski.

(URINE,

carbohydrates, eff. of somatotropin in rats)

(SOMATOTROPIN, effects,

on growth & urinary carbohydrates in rats)

(CARBOHYDRATES, in urine,

eff. of somatotropine in rats)

(GROWTH, effect of drugs on,

somatotropin in rats)

MANDES, Zofia; ZABLOCKA, Barbara

~~Acta physiol. polon.~~
Pancreatic hypoglycemic factor glucagon. Acta physiol. polon.
7 no.1:93-105 1956.

1. Z Zak. Farm. Doswiad. A M w Warszawie Kier. prof. dr. P.
Kubikowski.

(PANCREAS, hormones,
glucagon. (Pol))

MANDEW, P.

Microstructure and origin of Burgas coal. p. 163.
GODISHNIK, Sofiya, Vol. 42, no. 2, 1952/53-1953/54.

30: Monthly list of East European Accessions, (EML, D, Vol. 4, no. 10, Oct. 1955,
Uncl.

MANDEV, P.

Mandev, P. Microstructure and origin of Burgas coal. p. 163. GODISHNIK,
Sofiya. Vol. 48, no. 2, 1952/53-1953/54.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
no. 10, Oct. 1955, Unol.

MANDEV, P.

SCIENCE

Periodical: GODISHNIK Vol. 50, no. 2, 1955/56 (published 1957).

MANDEV, P. Bituminous indications in the Jura near the village of Strazha,
Turgovishte Okoliya. p. 163.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 2
February 1959, Unclass.

MANDEV, P.

SCIENCE

PERIODICAL: GODISHNIK Vol. 50, No. 2, 1955/56 (published 1957)

ZAFIROV, S.: MANDEV, P. Indications of petroleum deposits in the main near the village of Gorna Verenitsa, Mikhaylovgrad Okoliya. p. 357

Monthly List of East European Accessions (EEAI), LC Vol. 8, no. 2
February 1959, Unclass.

MANDEV, P.

MANDEV, P. Deposits and utilization of petroleum. p. 17

Vol. 6, No. 3, 1956.

GEOGRAFIJA

GEOGRAPHY & GEOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

MANDEV, P.

"Origin of Salt from Mines and Its Significance for the National Economy."
p. 4. (Geografiia, Vol. 8. No. 5, 1958, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov, 1958

MANDEV, P.; STOIKOV, St.

Bituminous studies of the Neogene in Northwestern Bulgaria.
Godishnik biol 52 no.2:51-67 '57/'58 [publ. '59].

MANDEV, P.

The petroleum and gas manifestations in the Salash syncline and the Belogradchik anticline, Northwestern Bulgaria. Godishnik biol 54 no.2:257-318 '59/'60 [publ. '61].

MANDEV, P.

Gas deposit near the village of Chiren, Vratsa District.
Prir i znanie 17 no. i: 22-24 Ja '64.

126 1, 2, 3

100-58-10163 (161, 164)

58-1631-101

Funding provided for by the National Endowment for the Humanities
 in the years 1989-1990: 325-330

in the rocks. Ill.: 325-330

MANDEV, P.

Ozocerite in malm found near the village of Strazha, Tur-
govishte District. Spis Bulg geol druzh 25 no.3:295-300 '64.

1. Sofia University, Sofia. Submitted April 16, 1964.

MANDEV, P.D. (Bolgariya)

New data on the oil potential of the lower Danubian trough.
Neftegaz, geol. i geofiz. no.4:63-66 *63 (MIRA 17:7)

MANDEVSKI, S.; BALDZHIISKI, A.

Combined triple contrast method in the examination of the urinary bladder. Khirurgiia (Sofia) 18 no.4:465-469 '65

1. Katedra po propedevtika na khirurgichnite bolesti (rukovoditel - prof. IU Toshov) i Katedra po rentgenologiya i radiologiya (rukovoditel - prof. K. Vlahov), Vissh meditsinski institut, Plovdiv.

PACHEDZHIEV, L.; TOSHEV, V.; MANDEVSKI, St.

Statistical data on congenital malformations. Khirurgia 15
no.11:1001-1002 '62.
(ABNORMALITIES)

KALCHEVA, V.; PACHEDEHIEV, I.; MANDEVUKI, St.

Analysis of operations with reference to mortality in aged patients according to hospital data for the period 1946-1962. Khirurgia 17 no.2:177-181 '62.

1. Iz Katedrata po propedeutika na khirurgichnite bolesti pri VMJ [Vish medicalinski institut] "I.P.Pavlov", Plovdiv.

PACHELZHIEV, I.; KATCHEVA, V.; MANDEVSKI, St.

Surgical intervention in acute abdomen in old age. Khirurgiia
17 no.2:196-199 '64.

1. St. Katedrata po propedyutika na khirurgichnite zaboliavania
pri VMI (Vishii meditsinski institut) "I.P.Pavlov" - Plovdiv.

KATCHEV, V. - PAUCHER-HIV I., MANDEVSKI, P.

Tumore in old age. Khirurgia 17 no.2:234-238 '64.

1. In Katedrata po propedeutika na khirurgichnite zabolavaniia
pri VME "Vissen meditsinski institut "I.P. Pavlov" Plovdiv.

MANDLA

27

New developments in the design of high speed turbo-alternators. *MANDLA, A. Elektrotechnika, 38, 6-14 (Aug. 1946) In Hungarian.* After a short description of the two-pole turbo-alternator design, rotors having radial and parallel slots respectively are dealt with. A new type, the "crossed-coil rotor," combining advantages of the other types is described. A new method of stator cooling is discussed. A.

ASME 34.4 METALLURGICAL LITERATURE CLASSIFICATION

GROUP 1: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 2: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 3: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 4: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 5: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 6: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 7: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 8: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 9: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

GROUP 10: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX	
1ST AND 2ND DEGREES		3RD AND 4TH DEGREES	
MANDL, A.		6/1 1120143	
H		33	
29. The effect of crossed-coil rotors on the manufacturing cost of turbo-generators, by A. Mandl "Elektrotehnika" Electrical Engineering Vol. 12, No. 4-6, pp. 110-113 April-June, 1950. The crossed-coil rotors were originally designed to replace imported chrome-nickel molybdenum with domestic steel. However as a result of better employment of materials, reduced weights and dimensions could be obtained. By comparing the new turbo-generators already in use to the old type as well as to other designs it was concluded that the new type rotor was reduced by 25 per cent while at the same time the output was increased by 40 per cent. Due to smaller dimensions, the losses of the new type turbo-generator are only about 1000 kW, that is, less than with the old type. Thus the saving in fuel in a ten-year period equals the cost invested in the turbo-generator.			
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION FROM SYMBOLIC FROM SYMBOLIC FROM SYMBOLIC			

Hungary

The Hungarian Scientists listed above are scheduled to collaborate on the following paper to be delivered at the 16th Convention of the International Electrical High-Tension Conference (CIQRE) to be held in Paris, 30 May--9 June 1956:

"On the improvement of the cooling of generator settings".

SO: ETZ, 1 March 1956, Unclassified.

MANDI, A.

Turbogenerators of the Ganz Plants. p. 22.

ELECTROTEHNICA. (Asociatia Stiintifica Inginerilor si Tehnicienilor din
România si Ministerul Energiei Electrice si Industriei Electrotehnice)
Bucuresti, Rumania. Vol. 7, No. 1, Jan. 1959.

Monthly List of East European "ccessions (EEAI) LC Vol. 8, No. 6, June 1959.
Uncl.

MANDI, A.

Asymmetries and overtones in electric machines; also, remarks by J. Liska. p.245.
Magyar Tudomanyos Akademia. Muszaki Tudomanyok Osztalya. KOZLEMENYEL. Budapest,
Hungary. Vol. 23, no.3/4, 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

MANDI, Andor, a muszaki tudományok doktora

In commemoration of Blathy. Muzsaki közl MTA 28 no.1/4:451-459 '61.
(EEAI 10:9)

(Blathy, Otto Titusz) (Electrical engineers, Hungarian)

MANDI, A.

In memory of Otto Titus Blathy. Acta techn Hung 34 no.1/2: 3-4 '61.

MANDI, Andor, dr., Kossuth-díjas, a muszaki tudományok doktora

New method for testing induction motors. Electrotechnika 54
no.1/2:20-24 P '61.

1. Villamosgép- és Kabelgyár muszaki tanácsadoja, és "Elektrotechnika" szerkesztő bizottsági tagja.

L 17666-66

ACC NR: AP6009378

SOURCE CODE: HU/0012/65/013/001/0003/0006

AUTHOR: Mandi, Andor (Doctor; Doctor of technical sciences; Specialist); Orley, Denes--Yeriel, D. (Specialist); Borka, Jozsef--Borka, Y. (Staff scientist)

ORG: none

TITLE: Basic problems in designing autodynes

SOURCE: Meres es automatika, v. 13, no. 1, 1965, 3-6

TOPIC TAGS: radio receiver, radio equipment

ABSTRACT: Some considerations involved in the designing of autodynes were discussed based on the authors' experience in this field. Formulae were derived for the calculation of the maximum output of direct-current units, single-armature converters, and autodynes proper. Other design considerations discussed include the number of poles for the desired output, the number of phases, and the tension ratio. Some specific parameters for various output ranges in the medium-output class were presented. Orig. art. has: 3 figures, 17 formulas, and 2 tables. [JPRS]

SUB CODE: 09 / SUBM DATE: 22Oct64 / ORIG REF: 002 / OTH REF: 003

Card 1/1

UDC: 621.313.236

MANDI, Andor, dr., okleveles gépészmérnök, a muszaki tudományok doktora,
cimezetes egyetemi tanár, Kossuth-díjas, muszaki tanácsos

Constructing the laminated structure of modern electric motors.
Elektrotechnika 58 no.2/3:68-72 F-Mr '65.

1. United Electric Machine Factory, Budapest, X., Gyomroi ut 128,
and Editorial Board Member, "Elektrotechnika."

MANDI, Andras, dr.

Case of symmetrical arterial thrombosis and cryoglobulinemia.
Orv. hetil. 98 no.5-6:117-118 10 Feb 57.

1. A Debreceni Orvostudományi Egyetem II. sz. Belklinikájának
(Igazgató: Petranyi, Gyula, dr. egyet. tanár) közleménye.
(THROMBOSIS, etiol. & pathogen.
cryoglobulinemia causing symmetrical arterial thrombosis
in legs (Hun))
(SÉRUM GLOBULIN
same)

MANDI, Andras, dr.; PETRANYI, Gyula, dr.

Prevention of intravenous benzene intoxication. Orv.hetil.
100 no.52:1876-1878 D '59.

1. A Debreceni Orvostudományi Egyetem II. sz. Belklinikájának
(igazgató: Petranyi Gyula dr.) közleménye.
(BENZENE toxicol.)

HUTAS, Imre, dr.; MANDI, Andras, dr.

Significance of respiratory functional examinations in case of silicosis. Munkavedelem 6 no.7/9:32-35 '60.

1. Budapesti Orvostudományi Egyetem Tudorgyógyászati
Klinikája és Országos Munkaegészségügyi Intézet.

KARPAFI, Judit; MANDI, Andras

Silicosis hazard in manufacturing electronic instruments. Munkavedelem
6 no.10/12:35-38 '60.

1. Orszagos Munkaegeszsegugyi Intezet.

MANDI, Andras, dr.; HUTAS, Imre, dr.; SOOS, Gabor, dr.

Treatment of cardiorespiratory insufficiency with hypothiazide
(dihydrochlorothiazide). Orv.hetil. 101 no.48:1700-17003 27 H'60.

1. Orszagos Munkaegeszsegugyi Intezet es Budapesti Orvostudomanyi
Egyetem, Tudogyogydszati Klinika.
(PULMONARY HEART DISEASE ther)
(CHLOROTHIAZIDE ther)

MANDI, Andras, dr.

Occurrence of occupational lung diseases in the iron and metal,
enamel and refractory material industries. Munkavedelem 7 no.1/3:
37-41 '61.

1. Orszagos Munkaegeszsegugyi Intezet.

TIMAR, Miklos, dr.; MANDI, Andras, dr.; TUROS, Eva, dr.

Dust exposition and bronchitis. Munkavedelem 8 no.7/9:36-39 '62.

1. Orszagos Munkaegeszsegugyi Intezet. 2. "Munkavedelem"
felelos szerkesztoje a munkaegeszsegugyi cikkekert (for Timar).

BERKOVITS, Laszlo, dr.; MANDI, Andras, dr.

Situs inversus cordis with various malformations of the vertebrae.
Magy. radiol. 14 no.3:158-161 Je '62.

1. A Debreceni Orvostudományi Egyetem II sz. Belklinikájának közleménye
(igazgató Petranyi Gyula dr. egyetemi tanár)

(SPINE abnorm) (SITUS INVERSUS radiog)

HUNGARY

MANDI, Andras, Dr; National Labor Hygiene Institute (Orszagos Munka-egeszsegugyi Intezet).

"Tests on the Mechanism of Respiration."

Budapest, Orvosi Hetilap, Vol 104, No 25, 23 June 63, pages 1179-1182.

Abstract: [Author's Hungarian summary] The author describes the theoretical and methodological basis of testing the breathing mechanism. The tests are useful for the quantitative measurement of dyspnea and for the differentiation of the causative factors. Restrictive breathing disturbances are characterized by an increase in the elastic resistance and decrease of compliance-value. Obstructive disturbances are characterized, in addition to the previously mentioned signs, by an elevation of the viscous resistance. The technique of testing is a reliable procedure under suitable conditions and its application, along with other techniques for the measurement of respiratory function, is definitely useful. 4 Hungarian, 27 Western references.

2/1

HUNGARY

MANDI, Andras, Dr, TIMAR, Miklos, Dr, TURCS, Eva, Dr; National Labor Hygiene Institute (Orszagos Munkeegeszsegugyi Intezet).

"Testing of the Mechanics of Respiration in Cases of Silicosis."

Budapest, Orvosi Hetilap, Vol 104, No 45, 10 Nov 63, pages 2126-2129.

Abstract: [Authors' Hungarian summary] Results of respiration mechanical and spirometric testing on 110 cases are reported. Of the patients tested, 75 suffered from silicosis in its various radiological stages. Where the silicosis was complicated by bronchitis, the compliance values showed a definite decrease. A definite compliance decrease was also found in about half of the silicosis cases, where the disease was more severe than the P₃ radiological stage, but clinical bronchitis was absent. The possible causes, the indications for the test and the evaluation of the results are also discussed. 2 Hungarian, 5 Western references.

1/1

MANDI, Andras, dr.; TIMAR, Miklos, dr.; TUROS, Eva, dr.

Respiratory function tests in silicosis. Orv. hetil. 104 no.45:
2126-2129 10 N '63.

1. Orszagos Munkaegeszsegugyi Intezet.
(SILICOSIS) (RESPIRATORY FUNCTION TESTS)
(BRONCHITIS) (PULMONARY EMPHYSEMA)
(BRONCHOSPIROMETRY)

MANDI, Andras, dr.

An account of my study trip to the silicosis research
institute in Bochum, German Federal Republic. Munkavedelem
10 no.7/9:41-44 '64.

SOOS, Gabor, dr.; MANDI, Andras, dr.

Study of the effect of trypsin aerosol inhalation therapy on silicosis. Orv. hetil. 106 no.21:992-994 23 My '65.

1. Orszagos Munkaegeszegugyi Intezet (igazgato: Timar, Miklos, dr.).

OLAH, Eva; H.; HADHAZY, Cs.; MANDI, B.

Studies on cartilage formation. IX. Acta biol. acad. sci. Hung.
16 no.1:25-34 '65.

1. Institute of Anatomy, Histology and Embryology, Medical
University, Debrecen (Head: St. Krompecher).

HUNGARY

HADHAZY, Csaba, KOSTENSZKY, Katalin, MANDI, Barnabas, OLAH, Eva; Medical University of Debrecen, Institute of Anatomy, Histology and Embryology (Debreceni Orvostudományi Egyetem, Anatómiai, Szövet- és Fejlődéstan Intézet).

"Changes in the Serum Hexosamine Concentration of Dogs Following Thymectomy and Arthroplasty."

Budapest, Kísérletes Orvostudomány, Vol XIX, No 1, Jan 67, pages 94-97.

Abstract: [Authors' Hungarian summary] Thymectomy was performed on 6-7 week old puppies and was followed by arthroplasty 3 weeks later. Serum hexosamine determinations were made previous to the two operations as well as on the 7th, 33rd and 70th days after the second operation. It was found that a considerable increase in hexosamine concentration develops following the thymectomy which increases further by the 7th day after the arthroplasty to return to normal within a month. Animals belonging to the control group reacted essentially in a similar manner, although to a lesser degree, following arthroplasty. It is assumed that the changes in the hexosamine level are of identical character in both cases: aspecific and a result of the surgical intervention. 8 Hungarian, 14 Western references. [Manuscript received 25 Mar 66.]

1/1

MAJDI, D.

MAJDI, D. Critical consideration of the solution of the problem of street traffic in Zagreb.

Vol. 3, No. 7, July 1955 CESTR 1 POSTOVI Zagreb, Yugoslavia.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 3
March, 1956

MANDI, D.

Basic magnitudes of electric traction in city transportation. p. 1495

TEHNIKA, Beograd, Vol 10, No. 10, 1955

SO: EEAL, Vol 5, No. 7, July 1956